

anti-Human, Mouse TRP 7 Polyclonal Antibody | anti-TRP 7 antibody

Anti-TRP 7 Antibody

CATALOG # AAA46511	REACTIVITY Human, Mouse	APPLICATIONS Western Blot
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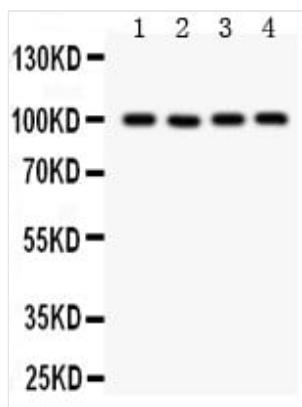
PRODUCT SYNONYMS

TRP 7; Polyclonal Antibody; Anti-TRP 7 Antibody; Short transient receptor potential channel 7; Capacitative calcium channel TRPC7; cation channel; subfamily C; member 7; hTRP7; KNP3; Likely ortholog of mouse transient receptor potential cation channel subfamily C member 7; mTRP7; Putative capacitative calcium channel; Transient receptor potential cation channel subfamily C member 7; transient receptor potential-related channel 7; a novel putative Ca²⁺ channel protein; Transient receptor protein 7; TRP-7; TRP7 protein; TRPC 7; TRPC7; Trpc7 transient receptor potential cation channel; TRPC7_HUMAN; TRPM2; Trp8; transient receptor potential cation channel; anti-TRP 7 antibody

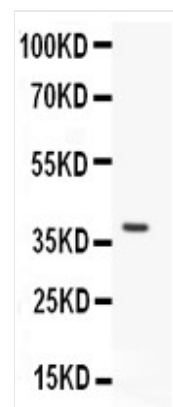
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	746
Applicable Applications for anti-TRP 7 antibody	WB (Western Blot)
Immunogen	E Coli-derived human TRP 7 recombinant protein (Position: K716-I862). Human TRP 7 shares 95% amino acid (aa) sequence identity with mouse TRP 7.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES


WB (Western Blot)

Anti- TRP 7 Picoband antibody, AAA46511, Western blotting All lanes: Anti TRP 7 (AAA46511) at 0.5ug/ml Lane 1: Mouse Brain Tissue Lysate at 50ug Lane 2: A549 Whole Cell Lysate at 40ug Lane 3: COLO320 Whole Cell Lysate at 40ug Lane 4: SKOV Whole Cell Lysate at 40ug Predicted bind size: 99KD Observed bind size: 99KD


WB (Western Blot)

Anti- TRP 7 Picoband antibody, AAA46511, Western blotting All lanes: Anti TRP 7 (AAA46511) at 0.5ug/ml WB: Recombinant Human TRP 7 Protein 0.5ng Predicted bind size: 39KD Observed bind size: 39KD

ADDITIONAL INFORMATION

Related Product Information for anti-TRP 7 antibody	Description: Rabbit IgG polyclonal antibody for Short transient receptor potential channel 7(TRPC7) detection. Tested with WB in Human;Mouse. Background: Transient receptor potential cation channel, subfamily C, member 7, also known as TRPC7, is a human gene encoding a protein of the same name. Using a cosmid/BAC contig, this gene is mapped to chromosome 21q22.3. TRPC7 is the most abundantly expressed long TRPC in peripheral blood and in some blood cell lines. The protein encoded by this gene is a calcium-permeable cation channel that is regulated by free intracellular ADP-ribose. The encoded protein is activated by oxidative stress and confers susceptibility to cell death.
References	1. Du, J., Xie, J., Yue, L. Intracellular calcium activates TRPM2 and its alternative spliced isoforms. Proc. Nat. Acad. Sci. 106: 7239-7244, 2009. 2. Farooqi, A. A., Javeed, M. K., Javed, Z., Riaz, A. M., Mukhtar, S., Minhaj, S., Abbas, S., Bhatti, S. TRPM channels: same ballpark, different players, and different rules in immunogenetics. Immunogenetics 63: 773-787, 2011. 3. McQuillin, A., Bass, N. J., Kalsi, G., Lawrence, J., Puri, V., Choudhury, K., Detera-Wadleigh, S. D., Curtis, D., Gurling, H. M. D. Fine mapping of a susceptibility locus for bipolar and genetically related unipolar affective disorders, to a region containing the C21ORF29 and TRPM2 genes on chromosome 21q22.3. Molec. Psychiat. 11: 134-142, 2006.

NCBI AND UNIPROT INFORMATION

NCBI GI #	262399375
NCBI GeneID	57113
NCBI Accession #	NP_001161048.1
NCBI GenBank Nucleotide #	NM_001167576.1
UniProt Accession #	Q9HCX4; Q70T26; Q8IWP7; A1A4Z4; F5H5U9
Molecular Weight	92,429 Da
NCBI Official Full Name	short transient receptor potential channel 7 isoform 3
NCBI Official Synonym Full Names	transient receptor potential cation channel subfamily C member 7
NCBI Official Symbol	TRPC7
NCBI Official Synonym Symbols	TRP7
NCBI Protein Information	short transient receptor potential channel 7
UniProt Protein Name	Short transient receptor potential channel 7
UniProt Gene Name	TRPC7
UniProt Synonym Gene Names	TRP7; TrpC7; TRP-7; hTRP7
UniProt Entry Name	TRPC7_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.